Computing Needs
in the
External Beams Group

- Continue to use familiar Macintosh programs.

- Ability to use Windows dependent code, e.g., LANL Poisson/SuperFish package

- Ability to share information and track changes to beamlines.
$\Rightarrow$ We will have several beamlines, with several changes, running in the Meson area.
$\Rightarrow$ It is useful to have one standard "deck" to generate beamline parameters, layout, models, etc.

Sharing Information and Tracking Changes

Some existing resources:

- World Wide Web

$\Rightarrow$ familiar, proven technology

$\Rightarrow$ it works!

- External Beams Area on BD BEAMSSRV1

$\Rightarrow$ accessible from Mac or PC

$\Rightarrow$ automatically backed up

- Code management system on FNALU

$\Rightarrow$ some familiarity

$\Rightarrow$ allows one to track changes and retrieve old versions.

Making It Work Together

- Request EBD project area on FNALU.
  This area will be used to store decks. Also have utilities for generating beam sheets, etc. Area manager is responsible for initial setup. Beamline physicist is responsible for maintaining deck.

- Make use of EBD area on BEAMSSRV1.
  Organize group folder by project or beamline. Keep spreadsheets, projects, etc. here. Whoever is responsible for project or beamline maintains data.

- Access though Web page.
  If you need to find something, the first place to look is the EBD Web page. Security can be set up as appropriate. Someone will probably need to spend more time maintaining Web page.

Side note: nothing precludes one from storing data in their own area; however, if he does something in a "non-standard" way, then he is responsible to make it available via the Web.

Another Crusade Avoided?

This proposal does not affect what type of machine we use at our desk. It does affect where the result (or at least a copy) is stored and how it is accessed. It also adds a needed resource to the department.

Programs Used on Macintosh

Currently used Macintosh programs:
Word
Excel
Project
Netscape
MiniCad7
Acrobat Reader

Windows Code

Poisson/Superfish is only supported on Windows 95/98 and Windows NT.

Is there other code that we use which is Windows specific?
Is there code that we use which cannot run under Windows?